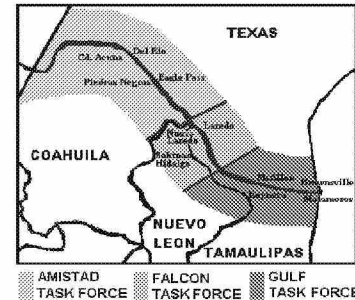


BORDER 2020 2015-2016 Action Plan TX-COAH-TAMP-NL Regional Workgroup

August 2015



The **Four-State Regional Workgroup** is the most complex of the four regional workgroups, because of its geographical expanse and the number of municipalities. The region includes parts of three states and a total of at least 29 municipios on the Mexican side, and 168 cities and towns on the U.S. side. Recognizing this, the workgroup divided itself into three geographically based Task Forces—Amistad, Falcon, and Gulf, each of which has established subject-specific committees related to its priority concerns.

During the first half of 2015 the three task forces have held meetings to discuss initial priorities for the 2015-2016 Action Plan, and several conference calls of leaders were held in June 2015 to develop a consensus of priorities at the task force and regional workgroup levels.

Border 2020 has five goals and the regional work groups propose projects to implement these goals. These projects are tracked in two-year revolving work plans. The 2015-2016 version is the second of its kind. Several projects have been carried over from the 2013-2014 Action Plan. Due to consensus by the Four State Workgroup, a sixth goal for health and education projects was included. Projects are organized by Border 2020 goals and objectives.

Regional Priorities

1. Improve air quality through the following approaches:
 - a. Increase energy efficiency at the consumption level and the use of renewable energy at all appropriate levels
 - b. Analyze emissions and emission sources in specific air sheds
 - c. A study on the possible health effects caused by climate change
2. Improve water quality by taking the following actions:
 - a. Evaluate the Rio Grande watershed in the region
 - b. Establish enforcement programs to prevent pollution on water bodies on the Mexican side
 - c. Improve water infrastructure as it pertains to treatment systems and distribution in rural areas
3. Address problems of improper waste disposal:
4. Assist communities to build capacity for waste streams: by implementing recycling, household hazardous waste and electronic waste collection and disposal programs and develop comprehensive plans for scrap tire disposal and alternative markets

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5. Expand environmental education related to waste issues
6. Enhance Joint Preparedness for Environmental Response
 - a. Provide HAZMAT training to local first responders to reduce exposure to chemicals as a result of accidental chemical releases and/or spills in the.
 - b. Coordinate emergency preparedness response table top exercise or field exercises.
7. Develop a certified environmental health curriculum to train border community health workers and promotoras on lead, mercury, pesticides, and other heavy metals

Individual Task Force Priorities

Amistad Task Force

1. Generate plans to mitigate the impacts of climate change in Coahuila
2. Establish air quality monitoring stations and exchange data with Texas
3. Develop a database to measure emissions of hydraulic fracturing operations in Coahuila
4. Increased use of alternate and renewable energy sources (such as landfill gas and solar energy)
5. Develop water conservation and reuse programs for irrigation in Coahuila
6. Establish waste management programs in ten municipalities in Coahuila (including used electronics, household hazardous waste management and recycling)
7. Develop and promote scrap tire, recycling and solid waste management programs on the Kickapoo Reservation

Falcon Task Force

1. Conduct a study on the use of methane gas for energy generation in landfills
2. Monitoring of drilling operations in the Eagle Ford Shale and on the Mexican side
3. Finalizing the cross-border contingency plan
4. Generate studies and projects for water reuse and conservation
5. Develop adequate management, alternative markets (such as tire cutters) and ordinances for scrap tires
6. Establish used electronics and household hazardous waste programs in municipalities in the Falcon Task Force
7. Develop a diagnostic study on the generation and alternative markets for construction waste in the Falcon Task Force
8. Develop a workshop on best practices related to public health and environmental education indicators

Gulf Task Force

1. Outreach programs to improve energy efficiency.
2. Educate the community on how to improve water quality
3. Improve or develop Industrial Pretreatment, Fats, Oil & Grease Management and Storm Water Programs.
4. Increase environmental awareness and responsibility with regard to solid waste and water related health effects in city residents, rural communities and colonias.
5. Healthy Homes training for Promotoras along the GTF' US-MX border

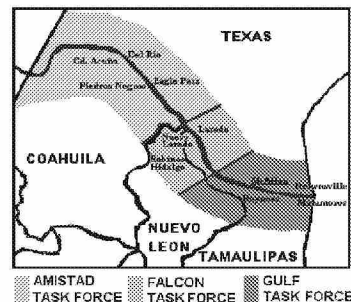
Border 2020

2015-2016 Action Plan Grid

Four-State Regional Workgroup

Legend:

- Activity covers at least two task force areas
- Gulf Task Force
- Falcon Task Force
- Amistad Task Force



GOAL # 1: Reduce Air Pollution

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of Funding	Points of Contact	2015-2016 Target	Progress Towards Target
Objective 1: By 2020, reduce the number of vehicles operating in the border region that do not comply with the respective vehicle emissions standards, and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible measures.							
1.1.01	Coahuila Vehicle Inspection Program To develop Coahuila's vehicle inspection program, partly in consultation with the State of Texas regarding their experience.	SEMA, Coahuila, COMIMSA, Municipio de Piedras Negras, Municipio de Acuña, TCEQ	\$700,000	Municipios	Humberto Fuentes, SEMA/Coahuila, humberto.fuentes@coahuila.gob.mx	Inspect 40% of the vehicles in Acuña, Piedras Negras, and Monclova.	Implementation is in progress. The current administration reports that no state funding is available and all jurisdictions are at the municipal level. Acuña obtained equipment in late 2014. Officials in Nava are identifying funding sources for the purchase of equipment.

1.1.02*	Characterization of Drayage Activities & Emissions Laredo-Nuevo Laredo Airshed Develop a detailed characterization of the drayage activity (short-haul, cross-border transport of state) in the Laredo-Nuevo Laredo region and its air quality implications.	Texas A&M Transportation Institute	\$89,750	Border 2020	Dr. Reza Farzaneh, TTI, Reza.Farzaneh@tamu.edu , (512) 467-0946	Gather activity information on drayage vehicles to estimate their emissions impacts in the Laredo and Nuevo Laredo airshed	TTI obtained permissions by the EPA, BECC and the Texas A&M IRB to collect GPS data from drayage vehicles operating in the Laredo-Nuevo Laredo region. TTI recruited 20 drayage truck operators and collected GPS data. TTI staff are analyzing the data and determining the emission impact of the trucks.
1.1.03	Emissions from Long Haul MX Diesel Trucks in Laredo-San Antonio Corridor Survey diesel truck activity and evaluate typical Mexican diesel truck emissions along Laredo-San Antonio Corridor.	Texas A&M Transportation Institute	\$100,000	EPA, TCEQ	Dr. Reza Farzaneh, TTI, Reza.Farzaneh@tamu.edu , (512) 467-0946	Collecting and analyzing data. TTI will present findings and report in August.	In July 2015 the investigative team presented TCEQ with a progress report and will turn in all final deliverables in August.

Objective 5: By 2020, reduce emissions and associated impacts, through energy efficiency and/or alternative/renewable energy projects.

1.5.01	Coahuila Climate Action Plan Initiate Phase 2 of the State Climate Action Plan (PEAC) for Coahuila: Quantification of the mitigation policies selected in Phase 1.	Coahuila State Government and BECC	\$275,000	BECC	Tomás Balarezo, BECC, tbalarezo@cocef.org	Econometric evaluation of the mitigation policies selected in Phase 1.	A Comité Intersecretarial ante el Cambio Climático (CICC) was established, as well as Integrated Technical Working Groups (TWG) and the Advisory Group (AG). A consultant has been hired, and a local coordinator and local experts recruited.
1.5.02	Tamaulipas Climate Action Plan Initiate Phase 2 of the State Climate Action Plan (PEAC) for Tamaulipas: Quantification of the mitigation public policies selected in Phase 1.	Tamaulipas State Government and BECC	\$100,000	BECC	Tomás Balarezo, BECC, tbalarezo@cocef.org	Selection of a number of prioritized mitigation public policies for climate change.	Five technical groups began work in July 2012. In 2013-14, the state strategy was redesigned. A Comité Intersecretarial ante el Cambio Climático (CICC) has been established, as well as Integrated Technical Working Groups (TWG) and the Advisory Group (AG). A consultant has been hired.
1.5.03	Wind Power in Nuevo León Research the potential for harnessing	SDS (Secretaria de Desarrollo	\$10,000	Mexican federal	Norma Rangel, SDS Nuevo León,	Establish wind monitors in	The Secretariat of Sustainable Development in Nuevo León has

	wind power for electricity generation in Nuevo León.	Sustentable de Nuevo León)		funds, CONACYT	normaangel@gmail.com 0115281 20 33-19-38	selected areas of the state by 2016.	applied for different grants to obtain funding for the monitors, but has not secured funds. They will submit another grant proposal in 2015.
1.5.04	Air Quality Network in Coahuila Establish an air quality monitoring network in the areas of Piedras Negras-Nava, Acuña, Sabinas, and Saltillo, Coahuila.	SEMA (Coahuila), Municipio de Piedras Negras, Acuña, Nava, Sabinas, Saltillo	\$1,400,000	SEMA Coahuila	Humberto Fuentes, SEMA/Coahuila, humberto.fuentes@coahuila.gob.mx	Have air quality monitoring network in operation for Piedras Negras-Nava Region, Acuña, Sabinas Region and Saltillo Region, Coahuila.	Implementation has begun but the schedule for completion has been extended by two or more years. In 2013 SEMA began working with local officials to include these projects in the plans of the applicable "Metropolitan Zones." A network will be deployed in Saltillo in 2015 and in Piedras Negras in 2016.
1.5.05	Retrofits Public Buildings in Coahuila Apply retrofit technologies to public buildings in Piedras Negras and Acuña, Coahuila that will reduce energy consumption.	SEMA Coahuila, Municipio de Piedras Negras y Municipio de Acuña	\$500,000	SEMA Coahuila	Alejandra Carrera, SEMA/Coahuila, alejandra.carrera@sema.gob.mx	Involve municipal agencies through a series of workshops and select at least 10 buildings to pilot retrofit technologies.	With assistance from the BECC, workshops were held in December 2013 in Piedras Negras and Acuña, disseminating information on how public buildings could be made more energy-efficient. No information is available regarding whether 10 pilot projects are being pursued.
1.5.06	Vehicle Emissions Inspection Program Design and implement vehicle emission verification programs or campaigns in Tamaulipas.	SEDUMA Tamaulipas		SEDUMA, SEMARNAT	Ing. Humberto Rene Salinas, SEDUMA, seduma@tamaulipas.gob.mx	Have a vehicle verification program in the border area of the state by end of 2014.	A pilot program focused on the state-owned fleet was initiated in early 2013. Additional implementation was put on hold, with the hope that a program for private vehicles can be initiated in 2015.
1.5.07	Atmospheric Monitoring System Strengthen Tamaulipas' atmospheric monitoring system.	SEDUMA Tamaulipas		SEDUMA, EPA, and BECC	Ing. Humberto Rene Salinas, SEDUMA, seduma@tamaulipas.gob.mx	By 2014, the system will operate at 100% with programmatic consistency	Eight municipalities have the equipment for air monitoring of PM10 (Matamoros, Reynosa, Nuevo Laredo, Victoria, Mante, Tampico, Madero, and Altamira). Currently only three of these

						standards.	have their network in operation (Nuevo Laredo, Victoria, and Tampico).
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Goal # 2: Improve Access to Clean and Safe Water

Project #	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2015-2016 Target	Progress Towards Target
Objective 2: Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.							
2.2.01	Upgrade Sewer Line Infrastructure Nuevo Laredo Install new or upgrade selected existing sewer lines and connect them to Nuevo Laredo's wastewater treatment plant to prevent contaminated discharges through the stormwater system to the Rio Grande.	COMAPA and Municipio de Nuevo Laredo	\$5,000,000	North American Development Bank (NADB)	Delfino González C.P., COMAPA, dgcdelfino@comapanu evolaredo.gob.mx	Complete the project by January 2015.	BECC certified the project in September 2012. Of the five sewer lines, one was completed by mid-2014. The remaining four collectors were under repair and discharging about 1.6 MGD to the stormwater system. Another discharge point from La Joya Creek was identified by COMAPA and will be repaired.
2.2.02*	Ideal Biological Filtration Material South Texas Storm Management Identify the best locally available material for use in bio-swale in the Lower Rio Grande Valley & South TX.	University of Texas Pan American	\$26,022	Border 2020		The proto-type bioswale will be tested in a newly constructed parking lot on the campus of UT Pan American.	Maria Sisneros will provide information.
2.2.03*	Management of Fats, Oils, and Grease Nuevo Laredo Reduce the concentration of fats, oils, and grease in the effluent water coming from restaurants and hotels and industrial dining facilities in Nuevo Laredo.	Comisión Municipal de Agua Potable y Alcantarillado, Nuevo León.	\$32,533	Border 2020	Ing. Juan Carlos Pérez Faz, COMAPA Nuevo Laredo, jcarlos_faz@hotmail.com 01152867 717-24-44	Hold workshops and follow-up with commercial establishments on implementation of FOG programs	COMAPA organized workshops to educate commercial establishments and residents on best practices. First workshop was held in March, in which some 160 participants learned about FOG regulations and proper disposal. Two workshops were held in April

							to discuss lessons learned and follow up on FOG programs implemented by establishments at their facilities, with approx. 200 establishments. Two additional workshops held in June and August.
Objective 3: Work binationally to identify and reduce surface water contamination in transboundary waterbodies or watersheds.							
2.3.01	Water-body Ecosystems in Coahuila Design and implement local public conservation campaigns and land conservation agreements for Rio San Rodrigo and Arroyo Las Vacas, which are tributaries to the Rio Grande.	SEMA Coahuila, Municipio de Piedras Negras and Municipio de Acuña	\$400,000	State of Coahuila and Border 2020	Alejandra Carrera, SEMA/Coahuila, alejandra.carrera@sem.a.gob.mx	Implement campaigns and conclude land conservation agreements by the end of 2014.	SEMA obtained EPA funding through the BECC in spring 2014 to restore and conserve the Arroyo Las Vacas. SEMA developed partnerships with TCEQ, Cd. Acuña, academic institutions, and UT Austin. SEMA and BECC finalized the workplan and are negotiating the quality assurance project plan. In October 2014 SEMA held a ribbon cutting for the Arroyo Las Vacas project in Ciudad Acuña and a complementary signing ceremony regarding land conservation.
2.3.02	Removal of Invasive Plants Implement a program to remove invasive plants in the Rio Grande.	SEMA Coahuila, CONANP, Profauna	\$85,000	SEMA (Coahuila), CONANP, Profauna –	Alejandra Carrera, SEMA Coahuila, alejandra.carrera@sem.a.gob.mx	By the end of 2014, increase activities of the invasive species plant removal program.	No progress yet made by mid-2013. No information has been available since then.
2.3.03	Lower Rio Grande Binational Water Quality Initiative (LRGWQI) Implement a binational Lower Rio Grande Water Quality Initiative (from Falcon to the Gulf) that characterizes the state of the river, develops a strategic plan to improve environmental conditions, and proposes a monitoring plan to document progress.	TCEQ, EPA, IBWC, CILA, CONAGUA, and federal, state, and local government agencies		TCEQ, EPA, IBWC, and federal, state, and local government agencies	Kelly Holligan, TCEQ, 512-239-2369, Kelly.holligan@tceq.texas.gov	Implement actions to improve water quality and promote an adequate habitat for flora and fauna in the Arroyo Las Vacas.	In March the LRGWQI's Binational Technical Work Group conducted the first of four binational synoptic water quality surveys scheduled for the project. They also developed a preliminary input file for a steady-state water quality model of the Rio Grande/Rio Bravo (Falcon Dam to Gulf of Mexico).

2.3.04*	Conservation of Las Vacas Stream Design and implement actions to improve water quality and promote an adequate habitat for flora and fauna species in the Arroyo Las Vacas.	Ciudad Acuna Department of Environment, SEMA Coahuila	\$44,200	Border 2020	Lic. Alejandra Carrera, Secretaria de Medio Ambiente de Coahuila, alejandra.carrera@sem.a.gob.mx 01152844 410-0014	Implement actions to improve water quality and promote an adequate habitat for flora and fauna species in Las Vacas stream.	SEMA conducted a diagnostic study of the environmental conditions and issues. SEMA collaborated with the Acuña ecology department and the Instituto Tecnológico Superior de Acuña (ITSA), to gather water quality data and identify sources of pollution, and conduct cleanup activities. TCEQ and the LBJ School at UT Austin organized a technical exchange with ITSA students and SEMAC\ officials in May. In September, a training is scheduled on binational water quality monitoring, data calibration, sampling techniques, etc.
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Goal # 3: Promote Materials Management, Waste Management and Clean Sites

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2015-2016 Target	Progress Towards Target
Objective 1: By 2020, increase local and state-level knowledge and experience in the area of sustainable material management practices.							
3.1.01	SEMARNAT's Green Schools Program Link and promote the Mexican federal program "Green Schools" in all three Mexican states in the region and explore possible use in Texas.	SEMARNAT Tamaulipas and state agencies in Tamaulipas, Nuevo León, and Coahuila		SEMARNAT	Delfino Ramírez, SEMARNAT, Delfino.ramirez@semarnat.tamaulipas.gob.mx Lic. Alejandro Manríquez Ramírez, SEMARNAT, educacion@coahuila.semarnat.gob.mx	Reach 150 schools in the 3 Mexican States by July 2013. Hold an information exchange meeting w/Texas 2014.	SEMARNAT implemented the program very successfully in Tamaulipas and on a very limited basis in Coahuila. By mid-2013 in Tamaulipas, 135 schools had been registered in the program.
3.1.02	Environmental Education Program Nuevo Laredo Establish an environmental	Keep Laredo Beautiful, Keep America		The City of Laredo Environment	Lynne Nava, Keep Laredo Beautiful,	Establish an environmental organization	Keep Laredo Beautiful will be meeting with officials of the Technological University of

	organization to develop environmental awareness and clean-up programs in Nuevo Laredo in affiliation with Keep America Beautiful.	Beautiful, and the Municipio of Nuevo Laredo		al Services local partners, and Keep America Beautiful	lnava1@ci.laredo.tx.us 956-794-1650	affiliated with Keep America Beautiful by 2016.	Nuevo Laredo in August to discuss the project and inquire about their interest in establishing an environmental organization through Keep America Beautiful. Keep Laredo Beautiful has committed to pay membership fees for one year for the organization to be affiliated with Keep America Beautiful.
3.1.03*	Clean-up Campaign Keep Pharr Beautiful Support monthly cleanup program Keep Pharr Beautiful with strong public outreach.	Public Works Department, City of Pharr	\$20,000	Border 2020	Grace Gonzalez, Pharr Public Works Department, grace.gonzales@pharr-tx.gov	Reduce illegal dumping in residential and industrial sectors and encourage residents to take responsibility for the beatification of their communities.	Maria Sisneros will provide information
3.1.04*	Alamo's Recycling TEAM Includes Everyone Implement the Alamo's Recycling TEAM Includes Everyone (ARTIE) Project, which strives to enhance the management of solid waste in the city.	City of Alamo	\$54,838	Border 2020	Melissa Gonzales, City of Alamo,	Increase recycling efforts by at least 25%, increase awareness of non-point pollution and solutions and establish partnerships that will promote environmental stewardship.	Maria Sisneros will provide information
Objective 2: By 2014, identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.							
3.2.01	Local Use Compost in Nuevo Laredo Develop a composting operation in Nuevo Laredo using sludge from the wastewater treatment plant and yard	COMAPA and Municipio de Nuevo Laredo		Municipio de Nuevo Laredo	Delfino González C.P., COMAPA, dgcdelfino@comapanuevolarado.gob.mx	Sign contract with the municipio to purchase gear for compost	

	wastes, and apply the product in municipal parks as well as in homes (through sales to homeowners).					generation, and sell to commercial establishments.	
3.2.02	Scrap-Tire Management Program Design and implement a state scrap-tire management program that includes valuation.	SEDUMA Tamaulipas	\$ 400,000	SEDUMA, SEMARNA, EPA	Ing. Humberto René Salinas , SEDUMA, seduma@tamaulipas.gob.mx	Develop public policy and a management plan for scrap tires.	The project is on hold.
3.2.03	Energy Value of Waste Tamaulipas SEDUMA will evaluate the ways in which energy could be recovered from waste and used.	SEDUMA	\$300,000	EPA	Ing. Humberto Rene Salina, SEDUMA, seduma@tamaulipas.gov.mx	Action Plan to be complete by the end of 2014.	The project is on hold.
3.2.04	Characterization Municipal Solid Waste Stream & Diagnosis Regarding Generation/Management of Waste Study and characterize the municipal solid waste stream in Sabinas Hidalgo, Nuevo León. Analyze the generation of solid and "special management" of waste in six border municipalities in Nuevo Leon and recommend waste management approaches to the collection, temporary storage and final disposal of waste.	SDS Nuevo León and Municipio of Sabinas Hidalgo, Nuevo León	\$47,000	Border 2020, BECC	Norma Rangel Sevilla, SDS, Nuevo León, normaarangel@gmail.com 0115281 20 33-19-38	Analyze the generation of solid and "special management" of six border municipalities and characterize the solid waste stream in Sabinas. Complete the study in 2015.	The study was finalized in June 2015. More details of the study will be provided at a later date.

Objective 3: By 2020, improve knowledge in every level of government (federal, state, local) to characterize and remediate contaminated sites.

3.3.01	Remediation Old Oxidation Lagoons Complete the remediation of old oxidation lagoons in Piedras Negras.	Municipio de Piedras Negras and SEMA de Coahuila	\$300,000	SEMA	Maria Teresa Molina, Municipio de Piedras Negras, teduada@hotmail.com	Complete the remediation of the remaining 10.3 acres by the end of 2013. The municipality will create extension	Prior to 2012, 19.7 acres of the 30-acre site had been remediated. Piedras Negras has not responded to inquiries about the project during 2013 and 2014.
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						of green area.	
3.3.02	Scrap Tire Management Plan Establish a sustainable management plan for scrap tires in Piedras Negras, Coahuila.	SEMA de Coahuila, Municipio de Piedras Negras	\$400,000	SEMA	Oscar Flores oscar.flores@sema.gob.mx	Develop plan and place in full operation by the end of 2014	By mid-2013, SEMA determined they needed to perform a feasibility study on using coal pits as disposal sites for scrap tires. No information has been available since then.

Goal #4: Enhance Joint Preparedness for Environmental Response

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2015-2016 Target	Progress Towards Target
Objective 2: By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building.							
4.2.01	Hazardous Materials First Responders Binational Training in McAllen-Mission-Pharr, TX and Reynosa, Tamaulipas	City of McAllen Fire department	\$75,000	Border 2020	Juan A Gloria Jr, Deputy Chief McAllen, jgloria@mcallen.net 956 681-2540		Maria Sisneros will provide information.
4.2.02	Update Cross-Border Contingency Plan Develop a cross-border contingency plan for the Solidarity Bridge, involving first responders from Colombia (Nuevo León), Nuevo Laredo (Tamaulipas), and Laredo (Texas), recognizing that Colombia, upstream from the other two cities, is much smaller and yet shipments of hazardous materials in the area are	Laredo Fire Department, Protección Civil de Nuevo Laredo, and CILA, CODEFRONT, and the City of Laredo	\$0	EPA, COCEF, PROFEPA, and Protección Civil	Steve Landin Laredo Fire Department slandin@ci.laredo.tx.us 956-795-2150 Juan Ochoa Protección Civil Nuevo Laredo Juan.u8a@hotmail.c	Hold new meetings of the staff of the two cities in order to revisit the language of the draft revision and possibly develop alternative language and include Colombia in the plan.	The project is on hold because city council has not approved changes to language of the draft revision, intending to clarify that Laredo could not send personnel to respond to incidents across the border, but could assist in other ways.

	currently directed to this bridge.				om 01152867 712-46-35		
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Goal 6: Promote Cross-Cutting Efforts Related to Environmental Health & Environmental Education

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2015-2016 Target	Progress Towards Target
Projects potentially related to some <u>combination</u> of air quality, water quality, water conservation, or waste management							
6.0.01	Extension of Environmental Management Systems Program Extend Tamaulipas' state program in promoting environmental management systems (SIMA) to more schools and government offices.	SEDUMA Tamaulipas	\$ 300,000	EPA, SEDUMA/ SEMARNAT	Dra. Silvia Casas, SEDUMA, silvia.casas757@gmail.com	Reach out to 100% of the border cities.	SIMA enrolled more than 90 schools in Matamoros, Tampico, and Victoria. Each school held workshops on water, waste, and energy efficiency, reaching a total of 26,000 students. Schools received equipment i.e. low-flow water toilets, recycling containers, and energy-efficient light bulbs. SIMA trained 1,800 state employees in water conservation, energy efficiency, and recycling. State offices received water filters and energy-efficient light bulbs.
6.0.02*	Planning of Health & Environmental Information Model Along TX-MX Border The development of a conceptual framework for a bi-national environmental and health information repository. T	El Colegio de la Frontera del Norte	\$39,875	Border 2020	Dr. Felipe Uribe, COCEF,	Identify required tools and capacities, compare existing systems, identify and recommend training or educational needs, and develop an	Maria Sisneros will provide information.

						indicator system to measure environmental health in the region.	
6.0.03*	Promotora-Led Environmental Health Education for Children Support the development of an integrated approach for educating families on the dangers of exposure to mercury, lead, and pesticides, especially the effects on respiratory health, specifically asthma. These modules will be used to provide training to health promotoras, who subsequently will provide educational information in elementary schools, child care settings and to colonia residences.	La Amistad AHEC and Southwest Border AHEC	\$69,083	Border 2020	Rosa Elvira Martinez Southwest Area Border Health Education Center rose.martinez@swbah.ec.org (830)758-1111	Conduct training and provide educational information on pesticide awareness to elementary schools and homes in colonias.	As of July, promotoras had conducted visits to two elementary schools and one head start to educate children on hazards related to pesticide exposure and household chemicals. Promotoras also conducted training on pesticide awareness in more than 30 homes and post-assessments in seven homes, with 23 of them expected to be evaluated in the fall of 2015.

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